CheckMate® V
Model RT-U50
Universal Remote Control

Programming & Operating Instructions

To have a clearer idea of the features and capabilities of your remote control, take a moment to carefully read these instructions Save for future reference.

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1. Introduction

Your Checkmate® V, Model RT-U50, universal remote control is simple to program, easy to use, and can operate up to five (5) electronic devices, which include:

CABLE	Cable set-top terminals
TV	Televisions
VCR	VCR
DVD	DVD
AUDIO	Receivers, amplifiers, CD players

Before you can use your remote control, it must be programmed (set-up) to operate the above devices.

2. Before Getting Started

Some of the special features on your remote control are:

Point and Press® Programming

Lets you program your TV, VCR, DVD and AUDIO devices without using codes. For more information, see Sections 5 and 14.

SmartKey™

Program multiple button presses on the [CABLE] and [TV] buttons. For more information, see Section 8.

[A], [B], [C] - Channel Memory Buttons

Program your favorite channels on the [A], [B], [C] buttons. For more information, see Section 11.

Mode Lock™

Your model RT-U50 remote comes "locked" in its cable operating mode. To operate more functions on your TV, VCR, DVD or AUDIO devices, see Section 10.

[DEVICE] Button

The [DEVICE] button operates only when Mode Lock™ feature is unlocked. When [DEVICE] is pressed, one of the power buttons will light up indicating the current device being operated. While the current mode power button is illuminated, press a non-illuminated power button to operate a different device.

[VCR / DVD / VOD] Button

Press and hold to "toggle" the transport (Play, Stop, Rew...) buttons between Cable (Video-On-Demand), VCR or DVD functions.

Memory Guard™

Eliminates reprogramming after battery changes.

Time Out

Shuts remote off if any button is pressed and held for 45 seconds. This extends battery life in the event the remote becomes lodged under or between heavy objects.

Reset

Lets you reset your remote to its original default settings. For more information, see Section 12.

Operating Your Cable Set-Top Terminal

For a description of what each button does, see Section 15.

3. Installing / Replacing Batteries

Install two (2) ***new*** AAA alkaline batteries. Properly match the "+ / -" ends of the batteries with the diagram in the battery compartment.

Low Battery Indication - when the batteries become low and need to be replaced, the [CABLE], [TV], [VCR], [DVD], [AUDIO] buttons will not illuminate normally, or at all, during operation. When this happens, install two (2) new AAA alkaline batteries to restore normal operation to the remote control.

Your remote control has Memory Guard™, which eliminates reprogramming after battery changes.

4. Programming Cable Set-Top Terminal

Your RT-U50 remote is pre-programmed to operate Motorola's DCT digital set-top terminals.

To operate a different cable set-top terminal, look up the brand and model in the Cable Setup Code list. If you are not sure of your brand and model, contact your cable operator.

1. Press [OK/SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CABLE ➔ TV ➔ VCR ➔ DVD ➔ AUDIO ➔ CABLE.)
2. From the ***Cable Setup Code list***, locate the 3-digit code for your brand / model and enter it on the keypad of the remote control. The cable set-top terminal will turn off.
3. Then, press [OK/SEL] to lock in the code. The power / mode buttons will blink 3-times and go out.

Cable Setup Codes

Motorola	
DCT, CFT2200	001
CFT2100, CFT2000	002
Jerrold	
DL4, DP(V), DQN(V), DPBB	003
Scientific Atlanta	
Explorer®	004
Explorer® (#, *)	010
Explorer® (Blue Ridge)	011
Explorer (WorldGate™)	012
8600X	005
8600	006
Pace	
510 Digital	004
HD Digital	010
Pioneer	
Voyager	004
BA-V1000, BA-V2000	007
Tocom	
5503VIP, 5507, 5508	008
Zenith	
MM2500	009
Digital	013

5. Programming TV, VCR, DVD, AUDIO Devices

Code Entry Programming

1. Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.
2. Press [OK/SEL] then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CABLE ➔ TV ➔ VCR ➔ DVD ➔ AUDIO ➔ CABLE...).
3. a. To program your TV, locate the 3-digit code for your brand in the TV Setup Code list and enter it on the keypad of the remote control. Entry of the correct code will cause your TV to turn off. If multiple codes are listed for your brand, you may have to enter different codes until your TV turns off.

   b. As soon as you have entered a 3-digit code that turns your TV off, press [MUTE].

   1) If the TV turns back on, press [OK/SEL] to lock in the code. The power / mode buttons will blink 3-times and go out.

   Or

   2) If the TV does not turn back on, enter a different 3-digit setup code until your TV turns back on. Then press [OK/SEL] to lock in the code. The power / mode buttons will blink 3-times and go out.
4. To program your VCR or DVD, refer to the ***VCR or DVD Setup Code lists*** and repeat steps 2 and 3 above.
5. To program your AUDIO equipment, refer to the ***AUDIO Setup Code list*** and repeat steps 2 and 3 above.

Point and Press® Programming

This method allows you to ***program*** the remote control ***without*** using ***codes***. Instead, the remote control automatically finds the correct command that you select in a variety of codes until you find the code that operates your device. You then lock in the correct code as described below.

The following instructions describe how to program your remote control using the [CH ▲] or [CH ▼] buttons ("Power" function during programming). You may also program your remote control using other buttons / functions as described in Section 14. When using this method, there are several important points to remember:

- The order in which you program your electronic devices is ***not*** important.
- There may be several codes that turn your electronic devices on / off (or perform other functions). Once you lock-in a code, be sure to check the available functions for that device (i.e. TV - Vol ▲ / ▼-, Mute, TV input (TV / VCR button), VCR or DVD - Play, Stop..., AUDIO - Volume / Mute) to see if they are operating.
- While the remote is searching for the correct setup code(s) for your electronic devices, it is possible that other (previously programmed) devices may turn on / off (or perform other functions). If this occurs, continue pressing the [CH ▲] or [CH ▼] buttons (or the buttons described in Section 14) until you find the correct code for the device you are programming.
- It may take several minutes for the remote to find the correct code that turns your device off (or performs another selected function). During this time, the power / mode buttons will illuminate in fast-rotation (i.e. CABLE ➔ TV ➔ VCR ➔ DVD ➔ AUDIO ➔ CABLE...).

Programming your electronic devices using the [Ch ▲] or [Ch ▼] buttons ("Power" function during programming)...

1. Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.
2. Press [OK/SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CABLE ➔ TV ➔ VCR ➔ DVD ➔ AUDIO ➔ CABLE...).
3. Press and hold the [CH ▲] button until one device turns off. While you are pressing the [CH ▲] button, the power / mode buttons will illuminate in fast-rotation. As soon as one device turns off, release the [CH ▲] button.
4. Press [MUTE]. If the device that turned off...

   a. Turns back on, press [OK/SEL] to lock in this code. The power / mode buttons will blink 3-times and go out.

   Or

   b. Does not turn back on, press [CH ▼] one step at a time until that device turns back on. Each time you press the [CH ▼] button, the power / mode buttons will illuminate once in reverse fast-rotation (AUDIO ➔ DVD ➔ VCR ➔ TV ➔ CABLE).

   Once you have found a code that turns the device on / off, press [OK/SEL] to lock in this code. The power / mode buttons will blink 3-times and go out.
5. Repeat steps 2 to 4 above for each of the remaining electronic devices you wish to program the remote to operate.

6. Programming Your TV / VCR, TV / DVD or TV / VCR / DVD Combination Device

1. First, turn on your TV / VCR, TV / DVD or TV / VCR / DVD combination device and install a VHS tape or DVD.
2. Next, program your remote to operate the TV functions of your combination device.

   Using the Code Entry Programming method described in Section 5, find a TV Setup Code that operates the TV functions (Power, Vol +/-, Mute) of your combination device.
3. Last, program your remote to operate the VCR and / or DVD functions of your combination device.

   Using the Code Entry Programming method described in Section 5, enter, lock and test each 3-digit VCR and / or DVD Setup Code for your brand until a code is found that operates the transport functions (Play, Stop, Rew, Pause, Rec) functions of your combination device.

   Before you can test for the correct VCR or DVD setup code, you must first press the [VCR / DVD / VOD] button to put the transport buttons of the remote in their VCR or DVD mode.

TV Setup Codes

BRAND	CODE				
Admiral	026	054	211	213	
Advent	072	094	425	447	
Adventura	047				
Aiwa	214				
Akai	053				
Amark	023	215			
Amstrad	157				
Anam	217	218	219	220	221
	222	223			
AOC	053				
Apex	030	038	427		
Audiovox	220	451			
Belcor	073				
Bell & Howell	211	213			
Broksonic	165	167			
Brokwood	073				
Candle	068	091			
Centurion	095	107	108		
Citizen	068	091	211	213	233
Concerto	073	095			
Contec	147				
Coronado	023				
Craig	223				
Crown	023				
Curtis Mathes	016	054	107	108	211
	213				
Daewoo	051	068	073	095	158
	159	189	191	194	196
	197	198	200	202	204
	205	206	207	209	
Daytron	073	095	107	108	
Dell	448				
Dumont	073				
Electro Home	073	095			
Elektra	353				
Emerson	016	023	053	064	103
	139	158	159	164	165
	166	167	168	169	392
	400	401	402	408	415
Envision	073	095			
Fisher	355	356			
Funai	047	048	157	168	211
Gateway	426				
GE	015	018	042	044	049
	054	055	068	073	090
	095	101	102	103	389
	390	396	403	406	407
	092				
Gibralta	023	048	053	068	073
	090	095	107	108	233
	360				
Goldstar (LG)	023	053	068	073	090
	107	108	233	360	361
Gradiente	104				
Grundig	233				
Go Video	443				
Hall Mark	073	095			
Hitachi	023	068	095	096	097
	098	099	100		
Inkel	364				
Insigna	450				
JC Penney	039	053	068	073	092
	095	102	355		
Jensen	062				
JVC	104	105	106	396	397
	410				
Kawasho	073	095			
KMC	023				
KTV	023	053	233	366	
Konka	445				
Kurazai	211	213			
LG (Goldstar)	023	053	068	073	090
	107	108	233	360	361
Lodgenet	211	213			
Logik	211	213			
Luxman	068	073	095		
LXI	024	026	157		
Magnavox (Philips)	023	068	071	072	073
	089	090	091	092	093
	094	134	385	387	397
	404				
Majestic	211	213			
Marantz	053	107	108	109	
Megatron	215				
Memorex	090	211	213	355	388
	405				
MGA/Mitsubishi	053	068	073	090	095
	107	109	110	216	384
	394	395	398	399	417
	108				
Montgomery Ward	022	023	026	053	071
	072	108	211	213	
NEC	028	068	090	108	200
Net TV	426				
Orion	019	159	160	161	162
	163	382			
Panasonic	042	043	044	045	046
	429				
Philco	023	053	068	071	072
	091				
Philips(Magnavox)	023	068	071	072	073
	089	090	091	092	093
	094	134	385	387	397
	404				
Pilot	073	094	233		
Pioneer	111	144	383		
Portland	023	068			
ProScan	055	070			
Proton	090	371	372		
Pulsar	073				
Quasar	044				
Radio Shack	073				
Realistic	022	166	168		
RCA	042	052	053	054	055
	069	070	416	068	
Sampo	090	108			
Samsung	015	016	017	023	031
	090	107	108	134	147
	151	153	386	411	
Sansui	423	424			
Sanyo	353	355	356	376	377
Scott	090	108	168		
Sears	023	031	038	039	068
	353	355	356		
Sharp	016	022	023	024	025
	026	027	028	029	393
	395	409			
Signature 2000	023	026	108	211	213
Sony	014	020	021		
Soundesign	091				
Squareview	157				
Supre-Macy	380				
Sylvania	068	071	072	090	091
	093	107	108	157	158
	419	092			
Symphonic	047	157			
Tatung	044	446			
Techwood	068				
Teknika	023	068	072	091	168
	213				
Telerent	023	213			
Tera	381				
Tevion	065	414			
TMK	068	090			
Toshiba	030	031	038	039	
Totevision	233				
Universal	068	102			
Vidtech	068				
ViewSonic	428				
Wards	068	090			
White Westinghouse	211	408	449		
XR-1000	213				
Yamaha	068				
York	090	108			
Zenith	047	048	049	050	051
	391	405	406	434	

VCR Setup Codes

BRAND	CODE				
Admiral	066	075			
Aiwa	132				
Akai	269	275	336	351	352
	354				
Audio Dynamics	243	291			
Bell & Howell	357	238			
Broksonic	333	337	358	359	
Canon	086	362			
Citizen	033	172	247	331	
Colortyme	291				
Craig	172	363			
Curtis Mathes	086	112	247	291	
Daewoo	033	343	344	345	346
	347				
Daytron	345	365			
DBX	243	291			
Dynatech	132				
Emerson	033	086	132	326	327
	331	332	333	334	335
	336	337	338	339	340
	341	342			
Fisher	035	081	357	363	
Funai	132				
GE	086	172	174	170	
Go Video	348	349	350		
Goldstar (LG)	247	331			
Harman Kardon	291				
Hitachi	078	132			
Instant Replay	086				
JC Penney	078	086	172	238	291
JCL	086				
JVC	120	128	243	247	250
	253	238			
Kenwood	120	132	238	243	247
LG (Goldstar)	247	331			
Lloyd	132				
Logik	367				
LXI	132	331			
Magnavox (Philips)	086	132	183		
Marantz	086	172	183	238	247
	291				
Marta	331				
Matsui	368				
Memorex	132	238	331	363	369
	370				
Mitsubishi	255	258			
MTC	132	172			
Montgomery Ward	066	170	173	373	
Multi Tech	132	172	367		
NEC	120	238	243	291	374
	375				
Orion	322	326	327	328	329
	330				
Panasonic	112	117	430	086	
Pentax	078				
Philco	086	132	183		
Philips (Magnavox)	086	132	183		
Pioneer	078	120	263		
Portland	345				
ProScan	170	174			
Quartz	238	378			
Quasar	112				
RCA	078	132	141	170	172
	173	174	086		
Realistic	066	132	238	363	
Samsung	269	271	275	276	278
Sansui	120	367	379		
Sanyo	238	346	357	363	
Scott	033	332	367		
Sears	035	078	238	331	363
Sharp	066	075			
Shintom	367				
Signature 2000	066	170	173	373	
Sony	056	058	060		
Soundesign	132				
Sylvania	086	132	141	183	184
	322	324	420		
Symphonic	132				
Tandy	132	238			
Tashiko	331				
Tatung	243				
Teac	132	243			
Technics	086				
Teknika	132	331	359		
Thomas	132				
TMK	338				
Toshiba	033	035	078	081	
Totevision	172	331			
Unitech	172				
Vector Research	291				
Video Concepts	132	291			
Wards	066	132	172	247	331
XR-1000	367				
Yamaha	132	243	291	238	
Zenith	058	120	122	128	132
	435				

DVD Setup Codes

BRAND	CODE				
Apex Digital	193	227			
B144	146				
Denon	201	203			
DVD-Video	199				
ECA	156				
GE	150	152	156	175	
Goldstar (LG)	129	133	135	179	260
Gradiente	212	234			
Harmon Kardon	256	259			
Hitachi	149				
JVC	177	179			
Kenwood	228				
KLH	248	252			
LG (Goldstar)	129	133	135	179	260
Magnavox	138	143	146		
Marantz	270				
Mintek	432				
Mitsubishi	181	185			
NAD	246				
Onkyo	085	244			
Panasonic	115	118	121	124	431
Pioneer	125	187	188		
Proceed	236				
Samsung	192	224	225		
Sharp	034	076	077	079	
Sony	040	059	061	436	
Sylvania	421				
Thomson	156	237			
Toshiba	082	085	087	113	
Yamaha	121	124	210		
Zenith	129	133	135		

Audio Setup Codes

BRAND	CODE				
Compact Disc					
ADC	318				
Akai	249	261			
Aiwa	176				
Carver	176	155			
Crown	154				
Denon	273				
Fisher	230	274			
Goldstar (LG)	308				
Harman Kardon	315				
JVC	297				
Kenwood	131	176	274	289	299
Krol	176				
LG (Goldstar)	308				
Magnavox (Philips)	037	084	119	296	
Mission	176				
Mitsubishi	245	249			
NAD	182	231	290		
Nakamichi	264	319			
NEC	235				
NSM	176				
Onkyo	300				
Panasonic	184	266	437		
Philips (Magnavox)	037	084	119	296	433
Pioneer	116	127			
Quasar	184				
Radio Shack	186	190	266	279	289
RCA	295				
Sanyo	230	309			
SAE	176				
Scott	186				
Sharp	288	289			
Sony	067	292	293		
Soundesign	148	242	311	320	
STS	318				
Sylvania	084				
Teac	186				
Technics	184	208	317		
Toshiba	290				
Yamaha	280				

Receiver / Amplifier					
Adcom	325				
Aiwa	301				
Akai	142				
Bose	302	440			
Carver	155	180			
Denon	262	307			
Everquest	136				
Fisher	063	180			
Fosgate Audionics	305				
Goldstar (LG)	036				
Harman Kardon	130	257	305	306	
Hitachi	240				
Jensen	140				
JVC	114	241			
Kenwood	063	277	444		
LG (Goldstar)	036				
Luxman	281				
Magnavox	080				
Marantz	282	283	284	285	
NAD	286				
Onkyo	126	171	304		
Optimus	142	229	321		
Panasonic	032	074	438	441	
Parasound	323				
Philips (Magnavox)	080				
Pioneer	123	137	251	298	
Quasar	032				
Radio Shack	229	267			
RCA	439				
Realistic	226	268			
Rotel	310				
Sansui	283				
Sanyo	195				
Scott	272				
Sharp	294				
Sherwood	229	267			
Sony	041	057	232	287	442
Soundesign	083	088	239	265	
SSI	313				
Taekwang	142				
Teac	314	316			
Technics	032				
Wards	063				

Victor	114	241			
Yamaha	145	254	303		
Zenith	036	083	088	239	265

7. Programming Volume Control

When you first program your remote, volume / mute are controlled through your TV (except AUDIO volume which defaults to the AUDIO device).

The volume control options in each mode of the remote are :

CABLE	TV (default), Cable or Audio.
TV	TV (default), Cable or Audio.
VIDEO	TV (default), Cable or Audio.
DVD	TV (default), Cable or Audio.
AUDIO	Audio (default), Cable or TV.

To control volume / mute through your Cable set-top terminal in the remote's *cable* mode...

1. Press [CABLE], then [OK / SEL] together - hold both buttons down until the [CABLE] button lights up.
2. Press [VOL ▲], then [CABLE] for cable volume. The [CABLE] button will blink and go out.

To return volume control back to your TV, repeat step 1. above, then press [VOL ▲], then [TV] in step 2.

8. Your Remote's SmartKeys™

Your remote has two (2) SmartKeys™ - [CABLE] and [TV], that operate in its cable mode. Each SmartKey™ can be programmed to transmit multiple functions.

Programming and using the [CABLE] SmartKey™

The [CABLE] button normally turns on / off your cable set-top terminal. To program the [CABLE] button to transmit multiple pre-programmed functions, follow the steps below:

1. Press [DEVICE], then [CABLE] to select the cable mode of your remote.

2. Press [CABLE], then [MENU] together - hold both buttons down until the [CABLE] button lights up.
3. Press the option number below for the desired functions:

Option	Pre-Programmed to turn on...
[1]	Cable & TV - tune TV to Ch 3
[2]	Cable & TV - tune TV to Ch 2
[3]	Cable & TV - tune TV to Ch 4
[4]	Cable, TV & VCR - tune TV to Ch 3
[5]	Cable, TV & VCR - tune TV to Ch 2
[6]	Cable, TV & VCR - tune TV to Ch 4
[7]	Cable, TV, VCR & AUDIO - tune TV to Ch 3
[8]	Cable, TV, VCR & AUDIO - tune TV to Ch 2
[9]	Cable, TV, VCR & AUDIO - tune TV to Ch 4
[A]	Cable, TV, VCR, AUDIO & DVD - tunes TV to Ch 3
[B]	Cable, TV, VCR, AUDIO & DVD - tunes TV to Ch 2
[C]	Cable, TV, VCR, AUDIO & DVD - tunes TV to Ch 4
[0]	Cable box only (default)

4. The [CABLE] button will blink and go out, storing the selected option.

Programming and using the [TV] SmartKey™

The [TV] button normally turns on / off your TV. To program the [TV] button to transmit multiple pre-programmed functions, follow the steps below :

1. Press [DEVICE], then [CABLE] to select the cable mode of your remote.
2. Press [TV], then [MENU] together - hold both buttons down until the [TV] button lights up.
3. Press the option number below for the desired functions:

Option	Pre-Programmed to turn on...
[1]	TV - tune TV to Ch 3
[2]	TV - tune TV to Ch 2
[3]	TV - tune TV to Ch 4
[0]	TV only (default)

4. The [TV] button will blink and go out, storing the selected option.

Remember : When using any SmartKey™ to transmit a series of functions, be sure to keep your remote aimed at the devices to ensure all functions are received in their entirety.

9. Code Number Read Back

To identify the 3-digit setup codes stored under the Point and Press® programming method, follow these steps:

To identify the TV setup code...

1. Press [TV], then [OK / SEL] together - hold both buttons down until [TV] illuminates.
2. Press [INFO]. The [TV] button will "blink back" the code numbers, with a 1-second interval between each digit of the code.

   Example : For code "035", the remote will blink 10 times, then 3 times, then 5 times.

To identify the 3-digit ***VCR*** code, press [VCR], then [OK / SEL] in step 1, then press [INFO].

To identify the 3-digit ***DVD*** code, press [DVD], then [OK / SEL] in step 1, then press [INFO].

To identify the 3-digit ***AUDIO*** code, press [AUDIO], then [OK / SEL] in step 1, then press [INFO].

10. Mode Lock™

Your RT-U50 remote comes locked in its cable operating mode. While locked in its cable mode, it can control all cable set-top operations, as well as power on your TV, VCR, DVD and AUDIO devices.

To operate more functions on your TV, VCR, DVD and AUDIO devices, you can unlock the remote as follows:

1. Press [CABLE], then [MUTE] together - hold both buttons down until the [CABLE] button lights up.
2. Press [9, 9, 9]. The [CABLE] button will blink and go out.

To lock your remote back in its cable operating mode...

1. Press [CABLE], then [MUTE] together - hold both buttons down until the [CABLE] button lights up.
2. Press [0, 0, 0]. The [CABLE] button will blink and go out.

11. [A], [B], [C] Channel Memory Buttons

Your remote has 3 buttons ([A], [B], [C]) which may be preprogrammed to channels or functions selected by your cable operator. If these buttons have not been set by your cable operator, they can be programmed to store up to 5 cable channels. Each cable channel can be up to 5-digits.

Programming [A], [B], [C] Buttons

To program the [A] button to cable channels 1, 12, 123, 231 and 17, follow these steps:

1. Press [A], then [CABLE] together until [CABLE] lights up.
2. Enter each channel as follows :
   a. Enter 1st channel # - 001.
   b. Press [CH ▲] to advance to next channel # setting.
   c. Enter 2nd channel # - 012.
   d. Press [CH ▲] to advance to next channel # setting.
   e. Enter 3rd channel # - 123.
   f. Press [CH ▲] to advance to next channel # setting.
   g. Enter 4th channel # - 231.
   h. Press [CH ▲] to advance to next channel # setting.
   i. Enter 5th channel # - 017.
3. Press [A] to store the above channels. The [CABLE] button will blink 3-times and go out. To store fewer than 5 channels, you can press the [A] button any time after entering a complete channel number.
4. Repeat the above steps to program the [B] and [C] buttons. Follow the example in step 1, but press [B] or [C] + [CABLE] together until the [CABLE] button lights up.

Using [A], [B], [C]

Using the above programmed channels as an example...

1. Press [A] - Cable terminal tunes to channel 001.

2. Press [A] again - Cable terminal tunes to channel 012.
3. Press [A] again - Cable terminal tunes to channel 123.
4. Press [A] again - Cable terminal tunes to channel 231.
5. Press [A] again - Cable terminal tunes to channel 017.
6. Press [A] again - Cable terminal tunes to channel 001.
   ...repeat.

Whenever a Channel Memory button is pressed, the function of the transport buttons will automatically switch back to Cable.

When pressing the [A], [B], or [C] buttons, be sure to keep the remote control aimed at your Cable Set-Top Terminal to ensure the full channel numbers are transmitted and received in their entirety.

12. Resetting Your Remote Control

To reset you remote to its factory default settings...

1. Press [CABLE], then [OK / SEL] together - hold both buttons down until the [CABLE] button lights up.
2. Press [MENU], then [MENU] again.
3. [CABLE] button will blink and go out.

13. [TV / VCR / BYPASS] Button

This button changes the input source of your electronic devices. In the remote's Cable mode, this operates the Cable BYPASS function. In the remote's TV mode, this button changes the Input Source (Input 1, Input 2...) on your TV. In the remote's VCR mode, this button changes the Input source (TV / VCR) on your VCR.

You can program this button so that in the remote's cable mode, [TV / VCR / BYPASS] will operate the TV Input source on your TV, or the TV / VCR function on your VCR, eliminating the need to change modes on the remote.

To program [TV / VCR / BYPASS] to operate your TV Input function in the remote's cable mode...

1. Press [TV / VCR / BYPASS], then [OK/SEL] together until

the [CABLE] power / mode button illuminates.

2. Press [TV]. The [CABLE] button will blink and go out.

Note : You can also press [VCR] in step 2 above to operate the TV / VCR function on your VCR. Or press [CABLE] to return to the normal Cable BYPASS function.

14. Additional Programming Information, Troubleshooting, Tips

Additional Programming Information

1. The power / mode buttons will illuminate in slow-rotation (i.e. CABLE ➔ TV ➔ VCR ➔ DVD ➔ AUDIO ➔ CABLE...) while the remote is in a programming mode. In the absence of a keypress entry, the power / mode buttons will stop illuminating after 45-seconds and the remote will exit the programming mode.
2. When programming the remote control using the [CH ▲] or [CH ▼] buttons (Power function) in the Point and Press® Programming method, you may find a code that turns a device off but not back on. If this happens...
   a. The correct code has not been found as you may have a code that operates some but not all of the functions of your device. Continue pressing [CH ▲] until your device turns on.

      OR

   b. You may have gone past the correct matching code. Try pressing [CH ▼] one press at a time until you find a code that turns your device back on.
3. When using the Point and Press® Programming method, you can also program your remote using buttons other than the [CH ▲] or [CH ▼] as described in Section 5 as follows:
   a. [VOL ▲] - to "go forward" through the codes using the "VOL ▲" function on your devices.
   b. [VOL ▼] - to "go back" through the codes using the "VOL ▼" function on your devices.

   Note : When you find the correct code, the volume of the device being programmed will increase or decrease.

   c. [▲] - to "go forward" through the codes using the "CH ▲" function on your devices.
   d. [▼] - to "go back" through the codes using the "CH ▼" function on your devices.

   Note : When you find the correct code, the channel of the device being programmed will increase or decrease.

   e. [▶▶] - to "go forward" through the codes using the "Fast Forward" function on your devices.
   f. [◀◀] - to "go back" through the codes using the "Rewind" function on your devices.

   Note : When you find the correct code, the fast-forward or rewind function of the device being programmed will be performed. To simplify programming using these buttons, insert a VHS tape or DVD in the device being programmed.

You can also program your remote using the other available functions as follows:

   a. Press [OK / SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CABLE ➔ TV ➔ VCR ➔ DVD ➔ AUDIO ➔ CABLE...).
   b. In this order, carefully press [0], [0], [0], [CH ▲] and [VOL ▲]. The power / mode buttons illuminate in slow - rotation (i.e. CABLE ➔ TV ➔ VCR ➔ DVD ➔ AUDIO ➔ CABLE...).
   c. You can now program your remote using the [CH ▲/▼], [Vol ▲/▼],[FFWD], [REW], [PLAY], [STOP], [REC], [PAUSE], [LAST], [FAV], [0] - [9] buttons. When you find the correct code, the function associated with the selected button will be performed.
4. Your remote is equipped with 2 programming labels on the back of its case.
   a. ***Point and Press® Programming*** - This will help you quickly program the remote without using codes.
   b. ***Mode-Lock™*** - Your model RT-U50 comes "locked" in its cable-operating mode. To operate more functions

on your TV, VCR, DVD and AUDIO devices, you can unlock your remote using the simple instructions on the back of your remote or refer to Section 10.

Troubleshooting / Tips

1. If the same button is pressed and held for 45-seconds, your remote control will turn itself off automatically. This extends the battery life should the remote become lodged under or between heavy objects, for example sofa cushions.
2. If you have a TV that's operated by remote control, it is recommended that you plug it directly into a wall outlet instead of the cable set-top terminal.
3. If you have any questions concerning the brand, model or operation of your cable set-top terminal, contact your cable operator.
4. If the [DEVICE] button is not operating, the remote is in its locked mode. To set the remote to its unlocked mode, see Section 10.

Frequently Used Terms

Audio Devices - Audio receivers, amplifiers, CD players that you can program your remote to operate.

Default Setting - How your remote is set when you receive it from your cable operator.

Electronic Components / Devices - The various electronic devices the remote is designed to operate. These include cable set-top terminals, TVs, VCRs, DVDs, receivers, amplifiers and CD players.

Fast-Rotation - The power / mode buttons will illuminate in a fast sequence (i.e. CABLE ➔ TV ➔ VCR ➔ DVD ➔ AUDIO ➔ CABLE...) repeated every 1/3 second. Fast-rotation occurs when the remote is receiving keypresses to program it to your electronic devices.

Mode - The device the remote is set to operate (ex. Cable, TV, VCR, DVD, AUDIO). See Section 10 for locking and unlocking the mode of the remote control.

Program (Setup) - The process of teaching your remote control to operate your electronic devices.

Slow-Rotation - The power / mode buttons illuminate in a slow sequence (i.e. CABLE ➔ TV ➔ VCR ➔ DVD ➔ AUDIO ➔ CABLE...) repeated every 1 second. Slow-rotation illumination occurs when the remote is in the programming mode, waiting for the next entry on the keypad of the remote.

TV Output Channel - The channel your ***TV*** needs to be set on for proper Cable reception (most often TV channel 3, but may be TV channel 2 or 4). If you have any questions concerning your TV output channel, contact your cable operator. Or, with your cable set-top terminal turned on, try setting your TV to channel 2, 3 or 4 to obtain a clear picture.

Transport Functions - These are the [Stop], [Play], [Fwd], [Rew], [Pause] and [REC] buttons. In the remote control's Cable mode, these buttons operate your Cable set-top features. However, by using the VCR / VOD / DVD toggle button, they can be set to operate the same functions on your VCR or DVD player.

Video Devices - VCR or DVD players.

Device Setup Codes

If you find that the setup codes listed above do not operate your devices, it is possible your remote was manufactured before the revision date printed on this Instruction Manual. If this occurs, contact your cable operator and request a newer version of your remote control.

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